

Patent Abstracts of Japan

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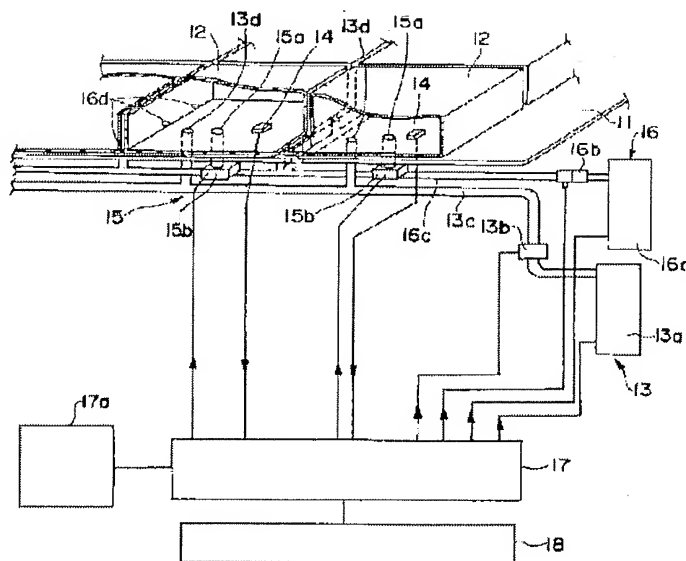
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APPLICANT : RABO SUFIA KK;

INVENTOR : TAMAOKI SATOSHI;

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TITLE : MAT



ABSTRACT : PROBLEM TO BE SOLVED: To provide a mat comfortable to sleep which can prevent a bed sore and is conformable to the body shape of a person lying on bed.

SOLUTION: This mat 10 is provided with box-shaped sealed air chambers 12 closely laid over the upper surface of a base 11 relative to horizontally two directions, an air supplying part 13 for supplying air to each air chamber, a pressure sensor 14 for detecting the air pressure in each air chamber, an air discharge part 15 for discharging the air from each chamber, a dry air feed part 16 for feeding dry air to the upper part of the air chamber, and a drive control part 17 for controlling the air supplying part and the air discharge part to control the air pressure in each air chamber. When a person lies on the air chambers, the drive control part reduces the air pressure of an air chamber having a high pressure through the air discharge part and supplies dry air from a clearance adjacent to this air chamber to the upper part of the air chamber.

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